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545			~.			_						۵.			560
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Dha	V-1	595	Luc	u: _	D., .	A	600 T	CI	A	V-I	C 1	605	1	A	1
FILE		airi	LyS	nis	rro	Arg	ıyr	uiu	Arg	vai		Leu	LyS	кър	ren
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Uyo	1111	uIII	116	1112	ulu	vai	ıyı	∟y5	nid	MOII	nop	٧di	nid	MI K	LCU

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ttaa	64
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(010) 11	
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(210) Al Cittoral ocquerios	
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aacctgacat tcaccaaggg cacggtgcaa	30
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(220) boods (peron of Aleri Total Coquestion primor	
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<223> Description of Artificial Sequence: primer
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<213> Artificial Sequence	
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Met Val lle Met Glu lle Phe lle Thr Gly Leu Leu Gly Ala Ser	
1 5 10 15	
ctt tta ctg tcc atc gga ccg cag aat gta ctg gtg att aaa caa gga	96
Leu Leu Ser Ile Gly Pro Gln Asn Val Leu Val Ile Lys Gln Gly	
20 25 30	
att aag ogo gaa gga oto att gog gtt ott oto gtg tgt tta att tot	144
lle Lys Arg Glu Gly Leu lle Ala Val Leu Leu Val Cys Leu lle Ser	
35 40 45	
gac gtc ttt ttg ttc atc gcc ggc acc ttg ggc gtt gat ctt ttg tcc	192
Asp Val Phe Leu Phe IIe Ala Gly Thr Leu Gly Val Asp Leu Leu Ser	

aat gcc gcg ccg atc gtg ctc gat att atg cgc tgg ggt ggc atc gct Asn Ala Ala Pro IIe Val Leu Asp IIe Met Arg Trp Gly Gly IIe Ala tac ctg tta tgg ttt gcc gtc atg gca gcg aaa gac gcc atg aca aac Tyr Leu Leu Trp Phe Ala Val Met Ala Ala Lys Asp Ala Met Thr Asn aag gtg gaa gcg cca cag atc att gaa gaa aca gaa cca acc gtg ccc Lys Val Glu Ala Pro Gln IIe IIe Glu Glu Thr Glu Pro Thr Val Pro gat gac acg cct ttg ggc ggt tcg gcg gtg gcc act gac acg cgc aac Asp Asp Thr Pro Leu Gly Gly Ser Ala Val Ala Thr Asp Thr Arg Asn cgg gtg cgg gtg gag gtg agc gtc gat aag cag cgg gtt tgg gta aag Arg Val Arg Val Glu Val Ser Val Asp Lys Gln Arg Val Trp Val Lys ccc atg ttg atg gca atc gtg ctg acc tgg ttg aac ccg aat gcg tat Pro Met Leu Met Ala IIe Val Leu Thr Trp Leu Asn Pro Asn Ala Tyr ttg gac gcg ttt gtg ttt atc ggc ggc gtc ggc gcg caa tac ggc gac Leu Asp Ala Phe Val Phe Ile Gly Gly Val Gly Ala Gln Tyr Gly Asp acc gga cgg tgg att ttc gcc gct ggc gcg ttc gcg gca agc ctg atc Thr Gly Arg Trp IIe Phe Ala Ala Gly Ala Phe Ala Ala Ser Leu IIe tgg ttc ccg ctg gtg ggt ttc ggc gca gca gca ttg tca cgc ccg ctg Trp Phe Pro Leu Val Gly Phe Gly Ala Ala Ala Leu Ser Arg Pro Leu tcc agc ccc aag gtg tgg cgc tgg atc aac gtc gtc gtg gca gtt gtg Ser Ser Pro Lys Val Trp Arg Trp lle Asn Val Val Val Ala Val Val atg acc gca ttg gcc atc aaa ctg atg ttg atg ggt tag Met Thr Ala Leu Ala IIe Lys Leu Met Leu Met Gly

<210> 22

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                                 25
                                                      30
lle Lys Arg Glu Gly Leu lle Ala Val Leu Leu Val Cys Leu lle Ser
                             40
Asp Val Phe Leu Phe Ile Ala Gly Thr Leu Gly Val Asp Leu Leu Ser
                         55
Asn Ala Ala Pro Ile Val Leu Asp Ile Met Arg Trp Gly Gly Ile Ala
                                          75
 65
                     70
Tyr Leu Leu Trp Phe Ala Val Met Ala Ala Lys Asp Ala Met Thr Asn
                                     90
Lys Val Glu Ala Pro Gln IIe IIe Glu Glu Thr Glu Pro Thr Val Pro
            100
                                105
                                                     110
Asp Asp Thr Pro Leu Gly Gly Ser Ala Val Ala Thr Asp Thr Arg Asn
        115
                            120
                                                 125
Arg Val Arg Val Glu Val Ser Val Asp Lys Gln Arg Val Trp Val Lys
                        135
Pro Met Leu Met Ala IIe Val Leu Thr Trp Leu Asn Pro Asn Ala Tyr
145
                    150
                                         155
                                                             160
Leu Asp Ala Phe Val Phe IIe Gly Gly Val Gly Ala Gln Tyr Gly Asp
                165
                                     170
Thr Gly Arg Trp IIe Phe Ala Ala Gly Ala Phe Ala Ala Ser Leu IIe
            180
                                185
                                                     190
Trp Phe Pro Leu Val Gly Phe Gly Ala Ala Ala Leu Ser Arg Pro Leu
                                                 205
        195
                             200
Ser Ser Pro Lys Val Trp Arg Trp IIe Asn Val Val Val Ala Val Val
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Met Thr Ala Leu Ala IIe Lys Leu Met Leu Met Gly
225
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<211> 236

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gcaatcgtgc tgacctggtt gaacccgaat gcgtatttgg acgcgtttgt gtttatcggc 505

ggcgtcggcg cgcaatacgg cgacaccgga cggtggattt tcgccgctgg cgcgttcgcg 565 gcaagcctga tctggttccc gctggtgggt ttcggcgcag cagcattgtc acgcccgctg 625 tccagcccca aggtgtggcg ctggatcaac gtcgtcgtgg cagttgtgat gaccgcattg 685 gccatcaaac tgatgttgat gggttag 712 <210> 24 <211> 124 <212> PRT

<400> 24

<213> Brevibacterium lactofermentum

Met Val lle Met Glu lle Phe lle Thr Gly Leu Leu Gly Ala Ser

Leu Leu Ser IIe Gly Pro Gln Asn Val Leu Val IIe Lys Gln Gly
20 25 30

Ile Lys Arg Glu Gly Leu Ile Ala Val Leu Leu Val Cys Leu Ile Ser 35 40 45

Asp Val Phe Leu Phe IIe Ala Gly Thr Leu Gly Val Asp Leu Leu Ser 50 55 60

Asn Ala Ala Pro Ile Val Leu Asp Ile Met Arg Trp Gly Gly Ile Ala 65 70 75 80

Tyr Leu Leu Trp Phe Ala Val Met Ala Ala Lys Asp Ala Met Thr Asn 85 90 95

Lys Val Glu Ala Pro Gin IIe IIe Glu Glu Thr Glu Pro Thr Val Pro 100 105 110

Asp Asp Thr Pro Leu Gly Val Phe Gly Gly Gly His
115 120

<210> 25

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer

<400> 25	
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anttotomat contagnett tanamanan ammat	36